

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/078,757C  
Source: 1Fw/6  
Date Processed by STIC: 2/7/06

***ENTERED***



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/078,757C

DATE: 02/07/2006

TIME: 09:00:11

Input Set : A:\TSRI5980CON1SEQ.TXT

Output Set: N:\CRF4\02072006\J078757C.raw

4 <110> APPLICANT: BARBAS, Carlos F.  
 5 RADER, Christoph  
 7 <120> TITLE OF INVENTION: HUMANIZATION OF MURINE ANTIBODY  
 10 <130> FILE REFERENCE: TSRI 598.0 Con.1  
 12 <140> CURRENT APPLICATION NUMBER: 10/078,757C  
 13 <141> CURRENT FILING DATE: 2002-02-19  
 15 <150> PRIOR APPLICATION NUMBER: US 08/986,016  
 16 <151> PRIOR FILING DATE: 1997-12-05  
 18 <160> NUMBER OF SEQ ID NOS: 122  
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 8  
 24 <212> TYPE: PRT  
 25 <213> ORGANISM: Mus Musculus  
 27 <400> SEQUENCE: 1  
 28 His Asn Tyr Gly Ser Phe Ala Tyr  
 29 1 5  
 32 <210> SEQ ID NO: 2  
 33 <211> LENGTH: 9  
 34 <212> TYPE: PRT  
 35 <213> ORGANISM: Mus Musculus  
 37 <400> SEQUENCE: 2  
 38 Gln Gln Ser Asn Ser Trp Pro His Thr  
 39 1 5  
 42 <210> SEQ ID NO: 3  
 43 <211> LENGTH: 37  
 44 <212> TYPE: DNA  
 45 <213> ORGANISM: Homo Sapiens  
 47 <400> SEQUENCE: 3  
 48 gggcccaggc ggccgagctc cagatgaccc agtctcc 37  
 50 <210> SEQ ID NO: 4  
 51 <211> LENGTH: 37  
 52 <212> TYPE: DNA  
 53 <213> ORGANISM: Homo Sapiens  
 55 <400> SEQUENCE: 4  
 56 gggcccaggc ggccgagctc gtgatgacyc agtctcc 37  
 58 <210> SEQ ID NO: 5  
 59 <211> LENGTH: 37  
 60 <212> TYPE: DNA  
 61 <213> ORGANISM: Homo Sapiens  
 63 <400> SEQUENCE: 5  
 64 gggcccaggc ggccgagctc gtgttgacrc agtctcc 37  
 66 <210> SEQ ID NO: 6

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RAW SEQUENCE LISTING  
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Input Set : A:\TSRI5980CON1SEQ.TXT  
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67 <211> LENGTH: 37
68 <212> TYPE: DNA
69 <213> ORGANISM: Homo Sapiens
71 <400> SEQUENCE: 6
72 gggcccaggc ggccgagctc acactcacgc agtctcc                                37
74 <210> SEQ ID NO: 7
75 <211> LENGTH: 23
76 <212> TYPE: DNA
77 <213> ORGANISM: Homo Sapiens
79 <400> SEQUENCE: 7
80 cagtaataaca ctgcaaaaatc ttc                                         23
82 <210> SEQ ID NO: 8
83 <211> LENGTH: 23
84 <212> TYPE: DNA
85 <213> ORGANISM: Homo Sapiens
87 <400> SEQUENCE: 8
88 cagtaataaaa ccccaaacatc ctc                                         23
90 <210> SEQ ID NO: 9
91 <211> LENGTH: 40
92 <212> TYPE: DNA
93 <213> ORGANISM: Homo Sapiens
95 <400> SEQUENCE: 9
96 gggcccaggc ggccgagctc gtgbtgacgc agccgccctc                                40
98 <210> SEQ ID NO: 10
99 <211> LENGTH: 40
100 <212> TYPE: DNA
101 <213> ORGANISM: Homo Sapiens
103 <400> SEQUENCE: 10
104 gggcccaggc ggccgagctc gtgctgactc agccaccctc                                40
106 <210> SEQ ID NO: 11
107 <211> LENGTH: 43
108 <212> TYPE: DNA
109 <213> ORGANISM: Homo Sapiens
111 <400> SEQUENCE: 11
112 gggcccaggc ggccgagctc gccctgactc agcctccctc cgt                                43
114 <210> SEQ ID NO: 12
115 <211> LENGTH: 46
116 <212> TYPE: DNA
117 <213> ORGANISM: Homo Sapiens
119 <400> SEQUENCE: 12
120 gggcccaggc ggccgagctc gagctgactc agccaccctc agtgtc                                46
122 <210> SEQ ID NO: 13
123 <211> LENGTH: 40
124 <212> TYPE: DNA
125 <213> ORGANISM: Homo Sapiens
127 <400> SEQUENCE: 13
128 gggcccaggc ggccgagctc gtgctgactc aatcgccctc                                40
130 <210> SEQ ID NO: 14
131 <211> LENGTH: 40

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/078,757C

DATE: 02/07/2006

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Input Set : A:\TSRI5980CON1SEQ.TXT

Output Set: N:\CRF4\02072006\J078757C.raw

132 <212> TYPE: DNA  
 133 <213> ORGANISM: Homo Sapiens  
 135 <400> SEQUENCE: 14  
 136 gggcccaggc ggccgagctc atgctgactc agccccactc 40  
 138 <210> SEQ ID NO: 15  
 139 <211> LENGTH: 40  
 140 <212> TYPE: DNA  
 141 <213> ORGANISM: Homo Sapiens  
 143 <400> SEQUENCE: 15  
 144 gggcccaggc ggccgagctc gggcagactc agcagctctc 40  
 146 <210> SEQ ID NO: 16  
 147 <211> LENGTH: 40  
 148 <212> TYPE: DNA  
 149 <213> ORGANISM: Homo Sapiens  
 151 <400> SEQUENCE: 16  
 152 gggcccaggc ggccgagctc gtggtgacyc aggagccmtc 40  
 154 <210> SEQ ID NO: 17  
 155 <211> LENGTH: 40  
 156 <212> TYPE: DNA  
 157 <213> ORGANISM: Homo Sapiens  
 159 <400> SEQUENCE: 17  
 160 gggcccaggc ggccgagctc gtgctgactc agccaccttc 40  
 162 <210> SEQ ID NO: 18  
 163 <211> LENGTH: 21  
 164 <212> TYPE: DNA  
 165 <213> ORGANISM: Homo Sapiens  
 167 <400> SEQUENCE: 18  
 168 gcagtaataa tcagcctcrt c 21  
 170 <210> SEQ ID NO: 19  
 171 <211> LENGTH: 44  
 172 <212> TYPE: DNA  
 173 <213> ORGANISM: Homo Sapiens  
 175 <400> SEQUENCE: 19  
 176 gctgcccaac cagccatggc ccaggtgcag ctgggtcagt ctgg 44  
 178 <210> SEQ ID NO: 20  
 179 <211> LENGTH: 44  
 180 <212> TYPE: DNA  
 181 <213> ORGANISM: Homo Sapiens  
 183 <400> SEQUENCE: 20  
 184 gctgcccaac cagccatggc ccagatcacc ttgaaggagt ctgg 44  
 186 <210> SEQ ID NO: 21  
 187 <211> LENGTH: 44  
 188 <212> TYPE: DNA  
 189 <213> ORGANISM: Homo Sapiens  
 191 <400> SEQUENCE: 21  
 192 gctgcccaac cagccatggc cgaggtgcag ctgggtgsagt ctgg 44  
 194 <210> SEQ ID NO: 22  
 195 <211> LENGTH: 44  
 196 <212> TYPE: DNA

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/078,757C

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TIME: 09:00:11

Input Set : A:\TSRI5980CON1SEQ.TXT

Output Set: N:\CRF4\02072006\J078757C.raw

197 <213> ORGANISM: Homo Sapiens  
 199 <400> SEQUENCE: 22  
 200 gctgcccaac cagccatggc ccaggtgcag ctgcaggagt cggg 44  
 202 <210> SEQ ID NO: 23  
 203 <211> LENGTH: 24  
 204 <212> TYPE: DNA  
 205 <213> ORGANISM: Homo Sapiens  
 207 <400> SEQUENCE: 23  
 208 cgcacagtaa tacacggccg tgtc 24  
 210 <210> SEQ ID NO: 24  
 211 <211> LENGTH: 21  
 212 <212> TYPE: DNA  
 213 <213> ORGANISM: Artificial Sequence  
 215 <220> FEATURE:  
 216 <223> OTHER INFORMATION: PCR Primer for PelB Leader Sequence  
 218 <400> SEQUENCE: 24  
 219 acctattgcc tacggcagcc g 21  
 221 <210> SEQ ID NO: 25  
 222 <211> LENGTH: 24  
 223 <212> TYPE: DNA  
 224 <213> ORGANISM: Homo Sapiens  
 226 <400> SEQUENCE: 25  
 227 cgcacagtaa tacacggccg tgtc 24  
 229 <210> SEQ ID NO: 26  
 230 <211> LENGTH: 8  
 231 <212> TYPE: PRT  
 232 <213> ORGANISM: Homo Sapiens  
 234 <400> SEQUENCE: 26  
 235 Asp Thr Ala Val Tyr Tyr Cys Ala.  
 236 1 5  
 239 <210> SEQ ID NO: 27  
 240 <211> LENGTH: 8  
 241 <212> TYPE: PRT  
 242 <213> ORGANISM: Mus Musculus  
 244 <400> SEQUENCE: 27  
 245 Asp Thr Ala Met Tyr Tyr Cys Ala  
 246 1 5  
 249 <210> SEQ ID NO: 28  
 250 <211> LENGTH: 69  
 251 <212> TYPE: DNA  
 252 <213> ORGANISM: Artificial Sequence  
 254 <220> FEATURE:  
 255 <223> OTHER INFORMATION: Synthetic PCR Primer  
 257 <400> SEQUENCE: 28  
 258 gacacggccg tgtattactg tgcgcgtcat aactacggca gtttgctta ctggggccag 60  
 259 ggaaccctg 69  
 261 <210> SEQ ID NO: 29  
 262 <211> LENGTH: 42  
 263 <212> TYPE: DNA

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/078,757C

DATE: 02/07/2006  
TIME: 09:00:11

Input Set : A:\TSRI5980CON1SEQ.TXT  
Output Set: N:\CRF4\02072006\J078757C.raw

264 <213> ORGANISM: Artificial Sequence  
266 <220> FEATURE:  
267 <223> OTHER INFORMATION: Synthetic PCR Primer  
269 <400> SEQUENCE: 29  
270 gaggaggagg aggagactag ttttgtcaca agatttgggc tc 42  
272 <210> SEQ ID NO: 30  
273 <211> LENGTH: 73  
274 <212> TYPE: DNA  
275 <213> ORGANISM: Artificial Sequence  
277 <220> FEATURE:  
278 <223> OTHER INFORMATION: Synthetic PCR Primer  
280 <400> SEQUENCE: 30  
281 gaagatttg cagtgttata ctgccccaca gagtaacagc tggccttcaca cgtttggcca 60  
282 ggggaccaag ctg 73  
284 <210> SEQ ID NO: 31  
285 <211> LENGTH: 21  
286 <212> TYPE: DNA  
287 <213> ORGANISM: Artificial Sequence  
289 <220> FEATURE:  
290 <223> OTHER INFORMATION: Synthetic PCR Primer  
292 <400> SEQUENCE: 31  
293 aatacgactc actatagggc g 21  
295 <210> SEQ ID NO: 32  
296 <211> LENGTH: 72  
297 <212> TYPE: DNA  
298 <213> ORGANISM: Artificial Sequence  
300 <220> FEATURE:  
301 <223> OTHER INFORMATION: Synthetic PCR Primer  
303 <400> SEQUENCE: 32  
304 gaggatgtg gggtttattta ctgccaacag agtaacagct ggcctcacac gtttggccag 60  
305 gggaccaagc tg 72  
307 <210> SEQ ID NO: 33  
308 <211> LENGTH: 8  
309 <212> TYPE: PRT  
310 <213> ORGANISM: Homo Sapiens  
312 <400> SEQUENCE: 33  
313 Glu Asp Phe Ala Val Tyr Tyr Cys  
314 1 5  
317 <210> SEQ ID NO: 34  
318 <211> LENGTH: 8  
319 <212> TYPE: PRT  
320 <213> ORGANISM: Homo Sapiens  
322 <400> SEQUENCE: 34  
323 Glu Asp Val Gly Val Tyr Tyr Cys  
324 1 5  
327 <210> SEQ ID NO: 35  
328 <211> LENGTH: 69  
329 <212> TYPE: DNA  
330 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 02/07/2006  
PATENT APPLICATION: US/10/078,757C                    TIME: 09:00:12

Input Set : A:\TSRI5980CON1SEQ.TXT  
Output Set: N:\CRF4\02072006\J078757C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:46; N Pos. 26,27,29,30,32,33,35,36

Seq#:121; Xaa Pos. 3,4,5,6

Seq#:122; Xaa Pos. 1,2,3,4

**VERIFICATION SUMMARY****PATENT APPLICATION: US/10/078,757C****DATE: 02/07/2006****TIME: 09:00:12****Input Set : A:\TSRI5980CON1SEQ.TXT****Output Set: N:\CRF4\02072006\J078757C.raw**

L:481 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:485 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:46  
L:486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0  
L:1403 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1407 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:121  
L:1408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:0  
L:1420 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:1424 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:122  
L:1425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:0